2

packet-based media stream.

## WHAT IS CLAIMED IS:

	WHAT IS CI		
1	1.	A method for assigning intelligent peripheral resources of a network,	
2	comprising:		
3		receiving a request for an intelligent peripheral service from a first	
4	requesting element of any element in the network;		
5		identifying an intelligent peripheral resource in response to the request;	
6	and		
7		assigning the identified intelligent peripheral resource to the first	
8	requesting element.		
1	2.	The method of claim 1, further comprising:	
2		grouping the intelligent peripheral resources into one or more groups;	
3		forwarding the request from a first group to a second group if intelligent	
4	peripheral resources of the first group that received the request is not sufficient to meet		
5	the request.		
1	3.	The method of claim 1, further comprising:	
2		grouping the intelligent peripheral resources into one or more groups, the	
3	request being received by and assigned to a first group;		
4		receiving an additional request in the first group for another intelligent	
5	peripheral service from a second requesting element; and		
6		assigning intelligent peripheral resource of the first group to the second	
7	element if such intelligent peripheral resource is available in the first group.		
1	4.	The method of claim 1, wherein the intelligent peripheral resources are	
2	supplied by one or more intelligent peripherals, the identifying step identifying one of the		
3	intelligent peripherals that is able to satisfy the request, the assigning step assigning the		
4	identified intelligent peripheral to the request.		
1		5. The method of claim 1, wherein the request is received from a	

1		6. The method of claim 1, wherein the request is received from a	
2	circuit-switched based media stream.		
1	7.	A concentrator for connecting intelligent peripherals to a network,	
2	comprising:		
3		at least one intelligent peripheral interface that connects one or more	
4	intelligent peripherals;		
5		at least one network interface; and	
6		at least one routing device coupled to the at least one intelligent	
7	peripheral interface and the routing device for selectively directing information from the		
8	network to the intelligent peripheral.		
1	8.	The concentrator of claim 7, further comprising:	
2		at least one processor for processing information from the network and	
3	information from the intelligent peripheral; and		
4		a memory for storing at least one of intelligent peripheral status, request	
5	information,	capability information and network information.	
1	9.	The concentrator according to claim 7, wherein the connection point for	
2	connecting to	the network uses one of packet-based or circuit-switched based technology.	
1	10.	The concentrator according to claim 7, wherein the connection point for	
2	connecting to	the network uses at least one of TDM, ATM, IP, SONET, X.25 and ISDN.	
1	11.	The concentrator according to claim 7, wherein at least one of the routing	
2	device for dir	recting information and the processor for processing information performs a	
3	media format	translation function.	
1	12.	A system for utilizing intelligent peripheral resources of a network,	
2	comprising:		
3	at leas	st one device coupled with at least one first switch, the switch being coupled	
4	with at least one other switch through the network;		
5	at leas	st one intelligent peripheral concentrator coupled with the first switch	

4

1

6	through the network; and		
7	at least one intelligent peripheral coupled with the intelligent peripheral		
8	concentrator.		
1	12 The material condition to aloin 12 Confirm commissions		
1	13. The system according to claim 12, further comprising:		
2	at least one service control point connected to the switch through the network.		
1	14. The system according to claim 13, wherein the service control point		
2	directs telephone calls to the intelligent peripheral concentrator or to another network		
3	resource.		
1	15. The system according to claim 12, wherein the switch handles media		
2	streams in TDM or packetized format.		
1	16. The system according to claim 12, wherein the intelligent peripheral		
2	concentrator performs media format translation between a packet-based and a circuit-		
3	based technology, and between different packet-based technologies.		
1	17. The system according to claim 12 wherein the intelligent peripheral		
2	performs at least one of digit collection, voice and video playback, announcement		
3	playback, voice and video recording, music recording and playback, collect call		
4	processing, forwarding requests and information, pager notification and telephonic alerts.		
1	10 771 4 1 1 10 1 1 1 1 1 1		
1	18. The system according to claim 12 wherein the intelligent peripheral		
2	concentrator performs a resource allocation function by determining the status and		
3	capability of the intelligent peripheral resources and assigning a request to an intelligent		
4	peripheral based on the determination.		
1	19. The system according to claim 12, wherein the connections are at least one		
2	of conventional telephone lines, digital transmission facilities, fiber optic lines, direct		
3	serial/parallel connections, wireless connections, cellular telephone connections, satellite		
	1		

communications, local area networks and intranet connections.

	52) 	
		*
:	7	:
.:	'n	
1	45.00 12.00 13.00 13 13 13.00 M Stone B E	
	27:	:
1		
-	~	٠
2	H	**
,	Ξ.	:
	قي	
		i
3	8	٠
÷	÷	
3	ē	
3	ē	
3	ē	
3	ē	
3		
WARRY STATE THE	i ::::::::::::::::::::::::::::::::::::	
WARRY STATE THE	i ::::::::::::::::::::::::::::::::::::	
The state of the last	# # #	
The state of the last	# # #	
The state of the last	# # #	
The state of the last	# # #	
the state tables taken and the	1	
the state tables taken and the	# # #	

2	comprising:
3	a network interface; and
4	a controller coupled with the network interface that receives a request from
5	a network device for the intelligent peripheral resources, determines an availability of the
6	intelligent peripheral resources in response to the request and assigns the network device
7	to an intelligent peripheral resource based on the availability of the intelligent peripheral
8	resources.